

PATENT CLAIMS

1. An exchangeable power-supplying unit (200, 300) arranged to supply electric power to a device (100, 400),
5 *characterised in;*
that said power-supplying unit (200, 400) comprises one or several processing units (220, 312, 319) arranged to pre-process information and to communicate said pre-processed information to the device (100, 400) for providing said device (100, 400) with one or several additional functionalities.
- 10 2. The power-supplying unit (200, 300) according to claim 1,
characterised in;
that said power-supplying unit (200, 300) is connectable to form an integral part of the device (100, 400)
- 15 3. The power-supplying unit (200, 300) according to claim 1-2,
characterised in;
that said unit (200, 300) comprises a communication link (230, 315, 316, 318, 319) for communicating said pre-processed information to the device (100, 400).
- 20 4. The power-supplying unit (200, 300) according to claim 3,
characterised in;
that said communication link (230, 315, 316, 318, 319) is a high-speed data-bus.
- 25 5. The power-supplying unit (200, 300) according to claim 1,
characterised in;
that said unit (200, 300) comprises one or several circuit boards (505) and/or one or several integrated circuits (329, 330), comprising hardware and possible software to form one or several processing units (220, 312, 319).
- 30 6. The power-supplying unit (200, 300) according to claim 5,
characterised in;
that a circuit board (220, 505) and/or an integrated circuit (312, 319, 329, 330) comprises one or several of a cryptographic circuitry, a mass-storage, a WLAN-modem or a
35 positioning device.
7. The power-supplying unit (200, 300) according to claim 1,
characterised in;
that said unit (200, 300) is a battery.

8. A device (100, 400) comprising an exchangeable power-supplying unit (200, 300) arranged to supply electric power to said device (100, 400),
characterised in;

5 that said power-supplying unit (200, 400) comprises one or several processing units (220, 312, 319) arranged to pre-process information and to communicate said pre-processed information to the device (100, 400) for providing said device (100, 400) with one or several additional functionalities.

10 9. A device (100, 400) according to claim 8,
characterised in;
that said device (100, 400) is a wireless handheld device, being a mobile phone, a PDA, a digital notebook, a land-radio, a two-way radio, a walkie-talkie or a similar intelligent device.

15 10. A device (100, 400) according to claim 9,
characterised in;
that the power-supplying unit (200, 300) has access to a receive/transmit channel of the wireless device (100, 400).

20 11. A telecommunication system comprising a device (100, 400), which device (100, 400) comprises an exchangeable power-supplying unit (200, 300) arranged to supply electric power to said device (100, 400),
characterised in;

25 that said power-supplying unit (200, 400) comprises one or several processing units (220, 312, 319) arranged to pre-process information and to communicate said pre-processed information to the device (100, 400) for providing said device (100, 400) with one or several additional functionalities.

30 12. A method for providing a device (100, 400) with one or several additional functionalities, using an exchangeable power-supplying unit (200, 300) arranged to supply electric power to the device (100, 400) and connected to said power-supplying unit (200, 300) to form an integral part of the device (100, 400), where said method
comprises the steps of;

35 - pre-processing information in one or several processing units (220, 312, 319, 329, 330, 505) arranged in said power-supplying unit (200, 300),
- communicating said pre-processed information to the device (100, 400)

13. An method according to claim 11,

characterised in;

that said communication is performed through a high-speed communication link (230, 315, 316, 318, 319).

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14. An method according to claim 11,

characterised in;

that said additional functionality is one or several of a cryptographic functionality, a mass-storage functionality, a WLAN functionality or a positioning functionality.

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15. A method according to claim 11,

characterised in;

that said device (100, 400) is a wireless handheld device, e.g. a mobile phone, a PDA, a digital notebook, a land-radio, a two-way radio, a walkie-talkie or a similar intelligent
15 device.